

Superfund Records Center

SITE: Western Sand and Gravel

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Western Sand and Gravel
NPL Site Administrative Record
Index

ROD Signed: September 30, 1985

Prepared for
Region I
Waste Management Division
U.S. Environmental Protection Agency

With Assistance from
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Introduction

This document is the Index to the Administrative Record for the second Record of Decision signed on September 30, 1985 (Operable Unit II—Source Control) for the Western Sand and Gravel National Priorities List (NPL) site. Section I of the Index cites site-specific documents, and Section II cites guidance documents used by EPA staff in selecting a response action at the site.

The Administrative Record is available for public review at EPA Region I's Office in Boston, Massachusetts, and at the Burrillville Town Hall, 70 Main Street, Harrisville, Rhode Island 02830. *This Administrative Record includes, by reference only, all documents included in the Administrative Record for the September 28, 1984 Record of Decision (Operable Unit I—Permanent Alternative Water Supply and Temporary Domestic Well Treatment).* Questions concerning the Administrative Record should be addressed to the EPA Region I site manager.

The Administrative Record is required by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA).

Section I

Site-Specific Documents

ADMINISTRATIVE RECORD INDEX

for the

Western Sand and Gravel NPL Site

(Source Control - Operable Unit II)

3.0 Remedial Investigation (RI)

3.1 Correspondence

Camp Dresser & McKee Inc.

1. Memorandum from William R. Swanson, Camp Dresser & McKee Inc. to Timothy J. Porter, EPA Region I (April 8, 1985). Concerning the Olin Corporation proposal for groundwater monitoring.
2. Letter from Paul M. Williams, Camp Dresser & McKee Inc. to John P. Hartley, State of Rhode Island Department of Environmental Management (May 3, 1985). Concerning the attached "Fresh Water Wetlands Request for Applicability Determination Form."

EPA Region I

3. Letter from Timothy J. Porter, EPA Region I to Verrill M. Norwood, Olin Corporation (August 19, 1985). Concerning the quality control data package submitted to EPA Region I on August 2, 1985.

Olin Corporation

4. Letter from Verrill M. Norwood, Olin Corporation to John R. Moebes, EPA Region I (February 14, 1985). Concerning the attached outline of the groundwater monitoring program.
5. Letter from Verrill M. Norwood, Olin Corporation to Heather M. Ford, EPA Region I (May 29, 1985). Concerning the attached groundwater monitoring program.

3.4 Interim Deliverables

1. "Project Operations Plan," Camp Dresser & McKee Inc. (November 8, 1984).
2. "Project Operations Plan - Amendment No. 1," Camp Dresser & McKee Inc. (January 25, 1985).
3. "An Analysis of the Potential for Off-Site Migration of Contamination Remaining in the Unsaturated Zone at the Western Sand & Gravel Site," Camp Dresser & McKee Inc. (May 15, 1985).
4. Letter from Verrill M. Norwood, Olin Corporation to Heather M. Ford, EPA Region I (July 12, 1985). Concerning the attached "Quality Assurance Requirements Western Sand and Gravel Site Off-Site Groundwater Monitoring Program."
5. "Wetlands Assessment - Draft Final Report," GCA Corporation (August 1985).

3.6 Remedial Investigation (RI) Reports

1. "Addendum to the Remedial Investigation/Feasibility Study," EPA Region I (August 1985).

3.7 Work Plans and Progress Reports

1. "Work Plan for Western Sand and Gravel, IRM and Predesign Studies," Camp Dresser & McKee (September 25, 1984).
2. "Work Plan," Camp Dresser & McKee Inc. (December 14, 1984).
3. "Amendment to Work Plan for Western Sand & Gravel," Camp Dresser & McKee Inc. (April 19, 1985).
4. "Wetlands Assessment," Work Plan, GCA Corporation (July 17, 1985). (The Enforcement Section of this Report is withheld as CONFIDENTIAL.)

4.0 Feasibility Study (FS)

4.1 Correspondence

Camp Dresser & McKee Inc.

1. Letter from William R. Swanson, Camp Dresser & McKee Inc. to Susan L. Santos, EPA Region I (October 4, 1984). Concerning the attached water supply alternatives.
2. Letter from William R. Swanson, Camp Dresser & McKee Inc. to Susan L. Santos, EPA Region I (December 6, 1984). Concerning the attached revised draft copies of the Predesign for Soil Excavation and Site Capping, the Predesign of Closeout of Recirculation System, and the Development of a Groundwater Monitoring System.
3. Memorandum from William R. Swanson, Camp Dresser & McKee Inc. to File (January 16, 1985). Concerning preliminary capping and closure information.
4. Letter from William R. Swanson, Camp Dresser & McKee Inc. to Susan L. Santos, EPA Region I (February 6, 1985). Concerning the Glendale Well Capacity Investigation with the attached Memorandum from P. Williams and D. Pinsky, Camp Dresser & McKee Inc. to William R. Swanson, Camp Dresser & McKee Inc. (February 5, 1985).
5. Letter from William R. Swanson, Camp Dresser & McKee Inc. to James Spaterella, EPA Headquarters (March 7, 1985). Concerning procedures for contaminated soils assessment and the attached Letter from Rick Cote and Ed Kunce, Camp Dresser & McKee Inc. to David Doyle, Camp Dresser & McKee (March 6, 1985).
6. Letter Report from David E. Pinsky, Camp Dresser & McKee Inc. to William R. Swanson, Camp Dresser & McKee Inc. (April 17, 1985). Concerning the Glendale Pumping Test.
7. Letter from William R. Swanson, Camp Dresser & McKee Inc. to Timothy J. Porter, EPA Region I (June 27, 1985). Concerning pump test data.
8. Letter from William R. Swanson, Camp Dresser & McKee Inc. to Timothy J. Porter, EPA Region I (July 2, 1985) with attached site plan. Concerning results and conclusions of the field program and interpretation of the data collected for identifying a source for the permanent water supply.
9. Letter from William A. DiTullio Jr., Camp Dresser & McKee Inc. to Timothy J. Porter, EPA Region I (August 6, 1985). Concerning the attached technical review meeting committee report.
10. Letter from William A. DiTullio Jr. for Paul M. Williams, Camp Dresser & McKee Inc. to Timothy J. Porter, EPA Region I (August 15, 1985). Concerning the preparation of the draft Focused Feasibility Study.
11. Trip Report on a Visit to Western Sand & Gravel Site, David E. Pinsky, EPA Region I and William A. DiTullio Jr., Camp Dresser & McKee Inc. (August 19, 1985). Concerning the water supply sanitary survey.

4.1 Correspondence (cont'd.)

12. Trip Report on a Visit to Western Sand & Gravel Site, David E. Pinsky, EPA Region I, Paul M. Williams, Camp Dresser & McKee Inc. and John P. Hartley, State of Rhode Island Department of Environmental Management (August 26, 1985). Concerning confirmation of positive readings detected on August 19, 1985 at Site E for the permanent water supply source.
13. Letter from William A. DiTullio Jr., Camp Dresser & McKee Inc. to John W. Gallagher, EPA Region I (September 18, 1985). Concerning the attached conceptual design and associated costs of the proposed facilities for the development of a water supply.

EPA Region I

14. Memorandum from Timothy J. Porter, EPA Region I to John R. Moebes, EPA Region I (August 19, 1985). Concerning the final technical review meeting.
15. Letter from David E. Pinsky, EPA Region I to Timothy J. Porter, EPA Region I (August 30, 1985). Concerning the evaluation of the Slatersville water system.

Environmental Resource Associates, Inc.

16. Letter from Robert L. Hoffman, Environmental Resource Associates, Inc. to Patricia Hines, EPA Region I (March 6, 1985). Concerning the effectiveness of the recirculation system.

Olin Corporation

17. Letter from Verrill M. Norwood, Olin Corporation to Barry W. Muller, State of Rhode Island Department of Environmental Management (January 21, 1985). Concerning the attached evaluation of the recirculation system.
18. "Response to Comments on Olin Memorandum Regarding Western Sand and Gravel's Recirculation System," Environmental Resource Associates, Inc. (February 14, 1985).
19. Letter from Verrill M. Norwood, Olin Corporation to Timothy J. Porter, EPA Region I (April 26, 1985). Concerning the Interim Feasibility Study Report.
20. Letter from Verrill M. Norwood, Olin Corporation to Heather M. Ford, EPA Region I (May 29, 1985) with attached groundwater maps. Concerning the recirculation system.

State of Rhode Island Department of Environmental Management

21. Letter from Merrill S. Hohman, EPA Region I to Robert L. Bendick, State of Rhode Island Department of Environmental Management (November 28, 1984). Concerning public water supply alternatives identified in the Record of Decision.

4.2 Sampling and Analysis Data

1. Memorandum from William R. Swanson, Camp Dresser & McKee Inc. to Pat Hynes, EPA Region I (March 18, 1985). Concerning the attached analytical data for soils and sludges at the site.
2. Memorandum from William R. Swanson, Camp Dresser & McKee Inc. to Pat Hynes and Timothy J. Porter, EPA Region I (March 26, 1985). Concerning the attached analytical data for soils and sludges at the site.

4.4 Interim Deliverables

1. Technical Memorandum from Andrew Robinson and William R. Swanson, Camp Dresser & McKee Inc. to File (January 4, 1985). Concerning the December 19, 1985 Trip Report.
2. "Review of Recirculation System," Camp Dresser & McKee Inc. (February 6, 1985).
3. "Technical Memorandum on Permanent Water Supply Investigation - Task 3," Camp Dresser & McKee Inc. (July 1985).

5.0 Record of Decision (ROD)

5.1 Correspondence

EPA Region I

1. Memorandum from Merrill S. Hohman, EPA Region I to Gene A. Lucero, EPA Headquarters (July 16, 1985). Concerning the attached Delegation Analysis Summary.

State of Rhode Island Department of Environmental Management

2. Letter from Barry W. Muller, State of Rhode Island Department of Environmental Management to Lee M. Thomas, EPA Headquarters (October 26, 1984). Concerning review of the Record of Decision.
3. Letter from Lee M. Thomas, EPA Headquarters to Barry W. Muller, State of Rhode Island Department of Environmental Management (December 3, 1984). Concerning development of the final Record of Decision.

5.3 Responsiveness Summaries

1. Cross Reference: "Community Relations Responsiveness Summary" is Attachment D to the Record of Decision [Filed and cited as entry number 1 in 5.4 Record of Decision (ROD)].

5.4 Record of Decision (ROD)

1. "Record of Decision Remedial Alternative Selection," EPA Region I (September 30, 1985) with attached:
 - A. Appendix A: "Calculation of Downgradient Groundwater-Quality Resulting from Site Capping."
 - B. Appendix B: "Sampling and Analysis of On-Site Contamination."
 - C. Appendix C: "Groundwater Levels/Depth of Contaminated Material."
 - D. "Community Relations Responsiveness Summary," EPA Region I.
 - E. "Public Hearing Transcript for Western Sand and Gravel Superfund Site," Burrillville, Rhode Island (September 9, 1985).

6.0 Remedial Design (RD)

6.1 Correspondence

Community

1. Letter from Jack W. McGraw, EPA Headquarters to Ethel M. Halsey, Town of Burrillville (December 18, 1984). Concerning the authorization of the design of an alternative water supply and the next phase of remedial action.

Olin Corporation

2. Letter from Verrill M. Norwood, Olin Corporation to Susan L. Santos, EPA Region I (January 21, 1985). Concerning the preliminary work on site cap design.
3. Letter from Verrill M. Norwood, Olin Corporation to Margaret Leshen, EPA Region I (April 1, 1985). Concerning response to request by Pat Hines at technical meeting on March 29, 1985.
4. Letter from Verrill M. Norwood, Olin Corporation to Heather M. Ford, EPA Region I (May 2, 1985). Concerning the technical meeting of April 30, 1985.
5. Letter from Verrill M. Norwood, Olin Corporation to Heather M. Ford, EPA Region I (May 2, 1985). Concerning verification of receipt of draft blueprints.
6. Letter from Verrill M. Norwood, Olin Corporation to John P. Hartley, State of Rhode Island Department of Environmental Management (May 28, 1985). Concerning information on site plans.

Rhode Island Department of Environmental Management

7. Letter from William Walsh-Rogalski, EPA Region I to John P. Hartley, State of Rhode Island Department of Environmental Management (July 24, 1985). Concerning the attached regulations governing property acquisitions which involve federal funds.

U.S. Army Corps. of Engineers

8. Letter from Susan L. Santos, EPA Region I to William F. Bonneau, U.S. Army Corps of Engineers (October 16, 1984). Concerning the scheduled Focused Feasibility Study and Route Selection Study.

6.6 Work Plans and Progress Reports

1. "Olin/Hunt Proposed Source Control and Disposal Site Remediation," Olin Corporation (November 12, 1984).

10.0 Enforcement

10.5 General Negotiations

1. "Western Sand and Gravel Choice of Remedial Action," EPA Region I.

13.0 Community Relations

13.3 News Clippings/Press Releases

News Clippings

1. "EPA Approves \$1.4 Million to Install Water System for Dump-Struck Homes," Providence Journal - Providence, Rhode Island (October 16, 1984).

13.3 News Clippings/Press Releases (cont'd.)

2. "EPA Oks Funds for Water System," Evening Bulletin - Providence, Rhode Island (October 16, 1984).
3. "Federal EPA Decision On Waste Site Upsetting," Call - Woonsocket, Rhode Island (October 16, 1984).
4. "Diluted Solution to Pollution," Observer - Greenville, Rhode Island (October 18, 1984) and "EPA Makes Decision on WS&G," Observer - Greenville, Rhode Island (October 18, 1984).
5. "EPA Schedules Another Study of WS&G Dump," Woonsocket Call - Woonsocket, Rhode Island (November 5, 1984).
6. "Hunt Will Run Tests on Burrillville Wells," The Providence Journal - Providence, Rhode Island (November 28, 1984).
7. "New Filtration Systems Tested in 33 Homes in Burrillville," Evening Bulletin - Providence, Rhode Island (November 28, 1984).
8. "Hunt Chemical Begins Water Sampling Program," Observer - Greenville, Rhode Island (November 29, 1984).
9. "EPA Approves Filters Installed By Hunt," The Providence Journal - Providence, Rhode Island (December 6, 1984).
10. "Burrillville Council is Cool to Proposal for Water Agency," Evening Bulletin - Providence, Rhode Island (December 27, 1984).

Press Releases

11. "EPA Announces \$1.4 Million Burrillville Water Plan," United Press International (October 15, 1984).
12. "Environmental News," EPA Region I (November 27, 1984). Concerning the agreement for payment of fine for failure to respond.
13. "EPA Reviews Hunt Chemical Proposal for Water Filters," EPA Region I (December 6, 1984).
14. "Environmental News - ACME Services Owner Cited By EPA," EPA Region I (February 8, 1985).
15. "Superfund Program Capping Proposal," EPA Region I (August 1985).
16. "Environmental News - Capping Proposal for the Western Sand & Gravel Superfund Site Announced," EPA Region I (August 1985).

13.4 Public Meetings

1. Meeting Notes, John W. Gallagher, Heather M. Ford, Ira Leighton, Tim Porter, EPA Region I; John Hartley, State of Rhode Island Department of Environmental Management; Ethel M. Halsey and Members of the Western Sand and Gravel Hazardous Waste Coordinating Committee (August 21, 1985). Concerning the status of work at the site and concerns of the Committee pertaining to the recently released Addendum to the Remedial Investigation/Feasibility Study.
2. State of Rhode Island Department of Environmental Management Notice, Public Meeting for the Western Sand and Gravel Site (September 4, 1985). Concerning discussion of the proposed creation of the Nasonville Water District.
3. Transcript, Public Hearing for the Western Sand and Gravel Superfund Site (September 9, 1985).

13.5 Fact Sheets

1. "EPA to Fund Water Line to Homes Near Western Sand and Gravel Superfund Site," EPA Region I (October 15, 1984).

14.0 Congressional Relations

14.1 Correspondence

1. Letter from John H. Chafee, Member of the U.S. Senate to William D. Ruckelshaus, EPA Headquarters (November 27, 1984). Concerning the attached letter from Ethel M. Halsey, Western Sand and Gravel Coordinating Committee to John H. Chafee, Member of the U.S. Senate (November 15, 1984).
2. Letter from William D. Ruckelshaus, EPA Headquarters to John H. Chafee, Member of the U.S. Senate (December 17, 1984). Concerning remedial actions and the next phase of remedial action.
3. Letter from Lee M. Thomas, EPA Headquarters to Claiborne Pell, Member of the U.S. Senate (December 17, 1984). Concerning the attached Letter from Ethel M. Halsey, Western Sand and Gravel Coordinating Committee to Claiborne Pell (November 15, 1984).

16.0 Natural Resource Trustee

16.1 Correspondence

1. Letter from William Patterson, U.S. Department of the Interior to William Walsh-Rogalski, EPA Region I (April 1, 1985). Concerning review of the Groundwater Remedial Investigation/Feasibility Study.

17.0 Site Management Records

17.4 Site Photographs/Maps

The records cited in entry numbers 1 through 17 may be reviewed, by appointment only, at EPA Region I, Boston, Massachusetts.

Photographs

1. Packet of 10 Recirculation Installation Slides (December 1984).
2. 7 - 5" x 7" Photographs of Western Sand & Gravel Inc. Operations.
3. Packet of 10 Slides of Lagoon and Test Pits.

Maps

4. "Site Sampling Plan," Camp Dresser & McKee (1984).
5. "Proposed Well Clusters Locations," Olin Corporation (January 4, 1985).
6. "Western Sand & Gravel Preliminary Design - Sheet #1," Olin Corporation (January 4, 1985).
7. "Western Sand & Gravel Preliminary Design - Sheet # 2," Olin Corporation (January 4, 1985).
8. Letter from J.W. O'Grady, Olin Corporation to John W. Gallagher, EPA Region I (November 19, 1985). Concerning transmittal of attached "Existing Site Topographical Plan at 1' Contours," Olin Corporation (April 26, 1985).
9. Letter from J.W. O'Grady, Olin Corporation to John W. Gallagher, EPA Region I (November 19, 1985). Concerning transmittal of attached "Existing Site Topographical Plan at 5' Contours," Olin Corporation (April 26, 1985).
10. "Cap Plan," Olin Corporation (April 26, 1985).
11. "Typical Cap Sections & Details," Olin Corporation (April 26, 1985).
12. "Graded Area Plan," Olin Corporation (April 26, 1985).
13. "Finish Cap Plan," Olin Corporation (April 26, 1985).
14. "Post Closure Plan," Olin Corporation (April 26, 1985).
15. "Proposed Cap Site," Olin Corporation.

17.4 Site Photographs/Maps (cont'd.)

16. "Site Plan," Olin Corporation.
17. "Survey of Land Belonging to Western Sand & Gravel Inc. Located in North Smithfield, Rhode Island for the State of Rhode Island Department of Environmental Management," Anthony E. Muscatelli & Associates, Inc.

17.8 State and Local Technical Records

1. "Certificate of Analysis," R.I. Analytical Laboratories, Inc. (December 28, 1984).
2. Letter from Robert L. Hoffman, Environmental Resource Associates, Inc. to John P. Hartley, State of Rhode Island Department of Environmental Management (January 16, 1985). Concerning the attached quarterly billing, groundwater elevations, contour map, and analytical results.
3. "Certificate of Analysis," R.I. Analytical Laboratories, Inc. (April 19, 1985).
4. "Quarterly Report No. 1," Environmental Resource Associates, Inc. and Goldberg-Zoino & Associates, Inc. (April 1985).
5. Letter from John P. Hartley, State of Rhode Island Department of Environmental Management to Lou Federici & Associates (May 10, 1985). Concerning a survey scope of work.
6. Receipt for Application No. 85-2590, State of Rhode Island Department of Environmental Management (May 14, 1985).
7. "Quarterly Report No. 2," Environmental Resource Associates, Inc. (July 1985).
8. "Groundwater Elevations," R.I. Analytical Laboratories, Inc. (August 23, 1985).

18.0 Initial Remedial Measure (IRM) Records

18.1 Correspondence

1. Letter from Alan R. Brodd, Philip A. Hunt Chemical Corporation to Susan L. Santos, EPA Region I (December 21, 1984). Concerning private well water sampling program.
2. Letter from Timothy J. Porter, EPA Region I to Verrill M. Norwood, Olin Corporation (August 30, 1985). Concerning status of the domestic well sampling and filter maintenance program.
3. "Information Sheet, Western Sand and Gravel Water Filter System and Sampling Program," EPA Region I (August 1985).

18.5 Work Plans and Progress Reports

1. Cross-Reference: "Work Plan for Western Sand and Gravel, IRM and Predesign Studies," Camp Dresser & McKee (September 25, 1984) [Filed and cited as entry number 1 in 3.7 Work Plans and Progress Reports].
2. Preliminary Draft - "Task 2 - Private Well Treatment Recommendation," Camp Dresser & McKee Inc. (October 10, 1984).
3. Letter from Gregory L. Benik, Hinckley, Allen, Tobin & Silverstein (Attorney for Philip A. Hunt Chemical Corporation) to William Walsh-Rogalski, EPA Region I (October 12, 1984). Concerning the attached "Private Well Monitoring Program," Philip A. Hunt Chemical Corporation (September 25, 1984).
4. Letter from Gregory L. Benik, Hinckley, Allen, Tobin & Silverstein (Attorney for Philip A. Hunt Chemical Corporation) to William Walsh-Rogalski, EPA Region I (November 5, 1984). Concerning the attached revised "Private Well Monitoring Program," Philip A. Hunt Chemical Corporation (October 31, 1984).

18.5 Work Plans and Progress Reports (cont'd.)

5. Letter from Gregory L. Benik, Hinckley, Allen, Tobin & Silverstein (Attorney for Philip A. Hunt Chemical Corporation) to William Walsh-Rogalski, EPA Region I (November 19, 1984). Concerning the attached second revised "Private Well Water Monitoring Program," Philip A. Hunt Chemical Corporation (November 15, 1984).
6. Letter from J.W. O'Grady, Olin Corporation to Susan L. Santos, EPA Region I (December 21, 1984). Concerning the attached "Quality Assurance Requirements - Western Sand and Gravel Site Private Well Water Monitoring Program."

Section II

Guidance Documents

GUIDANCE DOCUMENTS

EPA guidance documents may be reviewed at EPA Region I, Boston, Massachusetts.

General EPA Guidance Documents

1. Covers for Uncontrolled Hazardous Waste Sites, September 1985. 2200/12
2. "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act; Final Rule and Interim Final Rule and Proposed Rule" (40 CFR Part 136), October 26, 1984. C036
3. Resource Conservation and Recovery Act of 1976, as amended November 1984.
4. Memorandum from Gene Lucero to the U.S. Environmental Protection Agency, August 28, 1985 (discussing community relations at Superfund Enforcement sites). C053
5. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Guidance Document for Cleanup of Surface Tank and Drum Sites (OSWER Directive 9380.0-3), May 28, 1985. 2306/17
6. U.S. Environmental Protection Agency. Office of Emergency and Remedial Response. Hazardous Response Support Division. Standard Operating Safety Guides, November 1984. C082
7. U.S. Environmental Protection Agency. Office of Ground-Water Protection. Ground-Water Protection Strategy, August 1984. 2403/2
8. U.S. Environmental Protection Agency. Office of Research and Development. Environmental Research Laboratory. EPA Guide for Minimizing the Adverse Environmental Effects of Cleanup of Uncontrolled Hazardous Waste Sites, (EPA-600/8-85/008), June 1985. 2001/3
9. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Guidance on Feasibility Studies under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) (EPA/540/G-85/003, OSWER Directive 9355.0-05C), June 1985. C034
10. U.S. Environmental Protection Agency. Office of Solid Waste and Emergency Response. Guidance on Remedial Investigations under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) (EPA/540/G-85/002, OSWER Directive 9355.0-06B), June 1985. C035
11. U.S. Environmental Protection Agency. Office of Waste Programs Enforcement. The Endangerment Assessment Handbook, August 1985. C025
12. U.S. Environmental Protection Agency. Office of Waste Programs Enforcement. Toxicology Handbook, August 1985. 503/1